Listing of Claims

1.   (Currently Amended) A method of controlling a packet ~~terminating~~ call in a mobile communication system, comprising:

registering packet ~~terminating~~ call filtering information for at least one subscriber, <u>the packet call filtering information including a plurality of combinations of packet-pattern attributes, each combination assigned a different security classification and including different arrangements of said attributes</u>;

if a packet addressed to the subscriber as a destination is received, determining whether to set a ~~terminating~~ call <u>connection</u> of the received packet based on <u>a comparison of attribute information of the received packet and the plurality of combinations of packet-pattern attributes included in</u> the registered packet ~~terminating~~ call filtering information; and

setting the ~~terminating~~ call <u>connection</u> according to a result of determination.

2.   (Currently Amended) The method of claim 1, wherein the packet ~~terminating~~ call filtering information includes information indicating whether to activate use of a packet ~~terminating~~ call filtering function.

3.   (Currently Amended) The method of claim 1, wherein the packet terminating call

filtering information includes information indicating whether the packet terminating call filtering

information includes a non-permission condition or a permission condition.

4.   (Canceled)

5.   (Currently Amended) The method of claim 1 [[4]], wherein the packet-pattern

attributes include information includes at least one of a specified source Internet protocol (IP), a

specified protocol identifier (ID), or and a destination port number.

6.   (Currently Amended) The method of claim 1 [[4]], wherein the attribute packet

pattern information includes at least one of a plurality of packet attributes is recorded in a header

of the received [[a]] packet.

7.   (Currently Amended) The method of claim 6, wherein the packet-pattern

attributes include includes a source address and subnet mask.

8.   (Currently Amended) The method of claim 6, wherein the packet-pattern

attributes include includes a protocol number (IPv4)[[/]] and a next header (IPv6).

9.   (Currently Amended) The method of claim 6, wherein the packet-pattern

attributes include includes a destination port range.

10.   (Currently Amended) The method of claim 6, wherein the packet-pattern

attributes include includes a source port range.

11.   (Currently Amended) The method of claim 6, wherein the packet-pattern

attributes include includes an IPSec security parameter index (SPI).

12.   (Currently Amended) The method of claim 6, wherein the packet-pattern

attribute-patterns include includes a type of service (TSO) (IPv4)[[/]] and a traffic class (IPv6)

and mask.

13.   (Currently Amended) The method of claim 6, wherein the packet-pattern

attributes include includes a flow label (IPv6).

14.   (Currently Amended) The method of claim 1, wherein the packet terminating call

filtering information is included in static information of a gateway general radio service (GPRS)

support node (GGSN).

15.   (Currently Amended) The method of claim 1, wherein ~~the step of~~ registering the

packet ~~terminating~~ call filtering information comprises:

receiving a packet ~~terminating~~ call filtering information message from a mobile

terminal of the subscriber; and

registering the packet ~~terminating~~ call filtering information based on the received

message.

16.   (Currently Amended) The method of claim 1, further comprising:

receiving a packet ~~terminating~~ call filtering information inquiry and/or update

message from a mobile terminal of a subscriber;

inquiring and/or updating the registered packet ~~terminating~~ call filtering

information based on the inquiry and/or update message; and

transferring a result of inquiry and/or update to the mobile terminal.

17.   (Currently Amended) The method of claim 1, wherein ~~the step of~~ registering the

packet ~~terminating~~ call filtering information comprises:

authenticating a subscriber connected through the Internet;

receiving the packet ~~terminating~~ call filtering information message from the

authenticated subscriber; and

registering the packet ~~terminating~~ call filtering information based on the received

message.

18.   (Currently Amended) The method of claim 1, further comprising:

receiving a packet ~~terminating~~ call filtering information inquiry and/or update

message from an authenticated subscriber;

inquiring and/or updating the packet ~~terminating~~ call filtering information based

on the inquiry and/or update message; and

transferring a result of inquiry and/or update to the authenticated subscriber.

19.   (Currently Amended) An apparatus for controlling a packet ~~terminating~~ call in a

mobile communication system, comprising:

a database which stores routing information and filtering information of a

protocol data unit for a packet radio service<u>, the filtering information including a plurality of</u>

<u>combinations of packet-pattern attributes, each combination assigned a different security</u>

<u>classification and including different arrangements of said attributes;</u>;

a ~~terminating~~ call control section which controls a ~~terminating~~ call <u>connection</u>

setting <u>procedure</u> for the protocol data unit based on the routing information and the filtering

information, the call control section comparing attribute information of the protocol data unit to the plurality of combinations of packet-pattern attributes;

a message processing section which performs an inquiry and/or update of the filtering information based on an inquiry message and/or update message of the filtering information; and

an Internet protocol processing section which processes the protocol data unit and performs the ~~terminating~~ call connection setting procedure under control of the ~~terminating~~ call control section.

20.   (Currently Amended) The apparatus of claim 19, further comprising:

an agent for providing the inquiry message and/or update message of the filtering information from an Internet subscriber or ~~and/or~~ a mobile terminal; and

an Internet host, connected between the agent and the Internet, for enabling the Internet subscriber and/or mobile terminal to connect to the agent.

21.   (New) The method of claim 1, wherein the plurality of combinations include different numbers of the same packet-pattern attributes or different arrangements of different packet-pattern attributes.

22.   (New) The apparatus of claim 19, wherein the plurality of combinations include

different numbers of the same packet-pattern attributes or different arrangements of different

packet-pattern attributes.

Amendments to the Drawings

Replacement Sheets for Figures 1, 2, and 7 have been submitted with this paper.